



Introduction to Nucleonica: Core Applications and Tools

Training course with “Hands on” exercises, *To be held at the IRMM JRC Geel*

13 June – Core Nucleonica Applications

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9:00	Training Course / Nucleonica Overview J. Magill (Nucleonica)		1
9:20	Mass Activity Converter J. Magill	Exercises	2
9:50	Nuclide Mixtures R. Dreher (Nucleonica)	Exercises	3
10:30 – Coffee			
10:50	Nuclear Data: from the Karlsruhe Nuclide Chart to Nucleonica Z. Soti (ITU)	Exercises	4
12:30 – Break			
13:30	Decay Engine: Decay calculations for single nuclides and mixtures J. Magill	Exercises	5
15:00 – Coffee			
15:20	Wiki, Forum, Blog, Glossary: Knowledge Objects Z. Soti	Exercises	6
16:10	Virtual Cloud Chamber: Interaction of particles and photons with matter J. Magill	Exercises	7
17:00 – End of session			

14 June – Core Nucleonica Applications cont’d

9:00	Gamma Dosimetry & Shielding (D&S) J. Magill	Exercises	8
10:30 – Coffee			
10:50	Working with Reference Materials in Nucleonica Z. Soti	Exercises	9
12:30	Feedback/Questionnaire, Certificate		
13:00 – End of Training Course			
Supplementary material:			
	Gamma Spectrum Generator + Gamma Libraries		10
	webKORIGEN		11
	e-Ship: Radiological Transport Assistant		12
	(Nucleonica Tips & Tricks, additional exercises)		